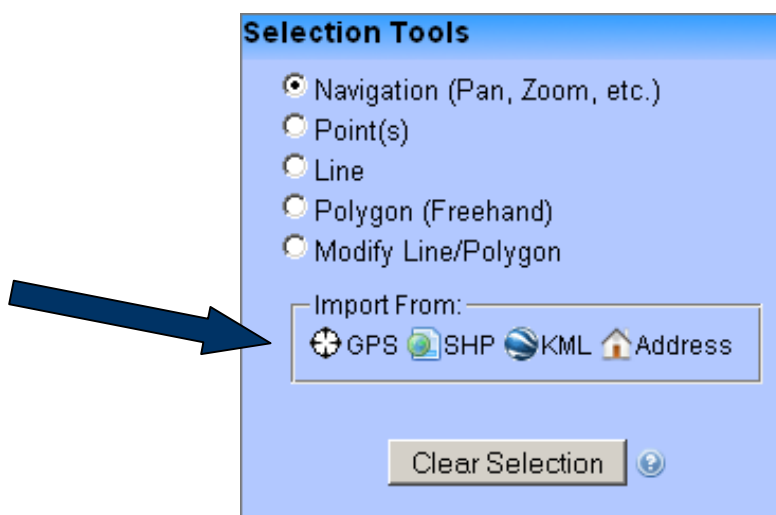# OnTheMap Version 4
Four New Tools for Importing External Spatial Data

Local Employment Dynamics   **All About Jobs**

Using existing spatial information to create study areas for analysis just got easier with OnTheMap Version 4! Due to popular demand, the OnTheMap team has developed easy-to-use tools for importing GPS coordinates, shapefiles, KML/KMZ files, and addresses into the existing selection tool framework. Once the data are imported, they can then be used to select pre-defined Census geographies and/or add a buffer to the point(s), line(s), or polygon(s).

To access the import tools, click on one of the four icons shown below the **Selection Tools** in Steps 2 and 2a of the **Analysis** tab:

⊕ **Enter GPS Coordinates:** Enter up to ten latitude/longitude points into the GPS Import Tool. By choosing the **Shape Type** of the coordinates, users can analyze these locations as individual points, or choose to connect the points as a line or polygon. Lines and polygons will be constructed by connecting the coordinates in the order they are entered. Click "Okay" to load the imported shape(s) into the map viewer. If desired, use the area(s) to select one or more pre-defined Census geographies and/or buffer the area by a user-defined radius. Click "Next" to continue to Step 3, from the **Analysis** tab drop down menu.

 Import Shapes from a Shapefile: Load a shapefile into the OnTheMap interface, and select one or more of the features as the area of analysis. Users are required to individually load the SHP, SHX, and PRJ (or manually enter the EPSG projection code) file types from the shapefile. When loaded, users can select individual shapefile features by clicking on them in the map viewer or by clicking "Select All Shapes" to use all features. Click "Continue with Selected Shapes" to load the selected features into the

map viewer. If desired, use the shape(s) to select one or more pre-defined Census geographies and/or buffer the area by a user-defined radius. Click "Next" to continue to Step 3 in the **Analysis** tab.

 Import Shapes from KML/KMZ: Load a KML file (or the zipped KMZ file version) into the OnTheMap interface, and select one or many of the features as the area of analysis. When loaded, users can select one of the KML features by clicking on it in the map viewer or choose all by clicking "Select All Shapes". (Note: features from only one feature type - point, line, or polygon – can be imported at any one time.) Click "Continue with Selected Shapes" to load the selected features into the map viewer. If desired, use the shape(s) to select one or more pre-defined Census geographies and/or buffer the area by applying a user-defined radius. Click "Next" to continue to Step 3 in the **Analysis** tab.

 Get a Point from an Address: Enter a valid U.S. address or intersection to find and place a point at that location in the map viewer. Addresses need a city and state or ZIP code to be successfully located in OnTheMap. Use this point location to then select a pre-defined Census geography and/or add a buffer to create the desired area for analysis. Click "Next" to continue to Step 3 in the **Analysis** tab.

General Notes and Suggested Usage:

 - OnTheMap geography uses USA Contiguous Albers Equal Area Conic projection (EPSG: 102003). The base map and selectable geographies were created from the Census Bureau's TIGER/Line 2008 vintage.